EU-Type Examination Certificate

2051-RED-223801

In compliance with Radio Equipment Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment, this certificate applies to the product(s)

Bus stop and railway stationary monitor

Type: 99320XX335XX - CPTOU4615 XX XXL3ARIXXH-XXXXXXXXXXXX

Placed on the market under the name or trade mark of

Aesys S.p.A.
Via Artigiani, 41
24060 - Brusaporto (BG), Italy

This certificate attests that all provisions concerning the assessment and verification of performance described in the standard(s)

Art 3.1a:	EN 62368-1:2014 + A11:2017 EN 62311:2020
Additional standards:	EN 60950-22:2017 EN 60529:1991 + A1:2000 + A2:2013
Art 3.1b:	ETSI EN 301 489-1 V2.2.3:2019, ETSI EN 301 489-3 V2.1.1:2019 ETSI EN 301 489-17 V3.2.4:2020, ETSI EN 301 489-52 V1.1.2:2020 ETSI EN 303 446-2 V1.2.1:2019 EN 55032:2015 + A11:2020 EN 61000-3-2:2014, EN 61000-3-3:2013 + A1:2019 EN 61000-6-2:2005, EN 61000-6-4:2007 + A1:2011
Additional standard:	EN 50121-4:2016 + A1:2019

This certificate consists of 6 pages
Certificate revision: 1.0

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This certificate remains valid for ten years from the issue date, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Nemko. Should the specified regulations or standards be amended, the products are to be re-approved prior to being placed on the market. Nemko S.p.A. is designated by the Italian Notifying Authority “Ministry of Economic Development”.

Any person not a party to the contract pursuant to which this document is delivered may not assert a claim against Nemko for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel in the establishment or issuance of this document, and in connection with any activities for which it may provide.

Art 3.2: ETSI EN 300 328 V2.2.2:2019, ETSI EN 301 511 V12.5.1:2017
ETSI EN 301 908-1 V13.1.1:2019, ETSI EN 301 908-2 V13.1.1:2020
ETSI EN 301 908-13 V13.1.1:2019
ETSI EN 300 220-1 V3.1.1:2017, ETSI EN 300 220-2 V3.2.1:2018

as per Annex III (Module B) for the performance set out in this certificate, are applied.

Certificate issued September 26, 2022
This Certificate was first issued on September 26, 2022

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ANNEX 1 – PRODUCT SPECIFICATIONS

PRODUCT DESCRIPTION

Equipment identification:	Bus stop and railway stationary monitor
Model/type:	99320XX335XX - CPTOU4615 XX XXL3ARIXXH-XXXXXXXXXXXX
Variants:	A description of type codes is reported in the document COMPACT 46" OUTDOOR MODELS LIST, Rev. 00, dated 2021-03-03, issued by Aesys
Brand/trade name:	aesys
Supply voltage:	220-240 Vac
Rated power/current:	2.7 A

TECHNICAL CHARACTERISTICS

Type of radio interface:	WiFi 2.4 GHz, GSM/WCDMA/LTE, SRD 868 MHz (RX only)
Intended purpose:	Bus stop and railway stationary monitor for passenger information
Class of equipment:	Class I, Sub-classes 07 (Receive-only radio equipment), 09a (Radio equipment which can only transmit under the control of a licensed public mobile radio network) and 22 (Wideband Data Transmission Systems) of Commission Decision 2000/299/EC
Frequency range:	WiFi: 2400 ÷ 2483.5 MHz E-GSM 900 (B8), DCS 1800 (B3) WCDMA 900 (B8), WCDMA 2100 (B1) E-UTRA LTE FDD 2100 (B1) / 1800 (B3) / 2600 (B7) / 900 (B8) / 800 (B20) E-UTRA LTE TDD 2600 (B38) / 2300 (B40) SRD: 868 ÷ 868.6 MHz
Transmit power:	WiFi: 20 dBm max GSM/WCDMA/LTE: 2 W (33 dBm ± 2dB) – Class 4 @ GSM 900 1 W (30 dBm ± 2dB) – Class 1 @ DCS 1800 0.5 W (27 dBm ± 3 dB) – Class E2 @ EDGE 900 0.4 W (26 dBm +3/-4 dB) – Class E2 @ EDGE 1800 0.25 W (24 dBm +1,7/-3,7 dB) – Class 3 @ WCDMA 0.2 W (23 dBm ± 2,7 dB) – Class 3 @ E-UTRA LTE
Modulation type:	WiFi: 802.11b: DSSS (DBPSK, DQPSK, CCK) 802.11g: OFDM (BPSK, QPSK, 16-QAM, 64-QAM) 802.11n: OFDM (BPSK, QPSK, 16-QAM, 64-QAM) E-GSM/DCS: GMSK, 8PSK WCDMA: QPSK LTE: QPSK, 16 QAM and 64 QAM

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Antenna type:	WiFi & GSM/WCDMA/LTE: dedicated (PCB antenna) SRD: dedicated (PCB antenna)
Maximum antenna gain:	WiFi & GSM/WCDMA/LTE: 2 dBi max SRD: 2 dBi max
Firmware:	WiFi: Atheros v1.4.0 GSM/WCDMA/LTE: SIM7100E_V4.5

MANUFACTURER

Name:	Aesys S.p.A.
Address:	Via Artigiani, 41 - 24060 - Brusaporto (BG), Italy

ADDITIONAL INFORMATION

None.

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ANNEX 2 - SCHEDULE OF APPROVAL

SCOPE OF EXAMINATION

☒ Protection of Health and Safety, according to Article 3(1)(a).	COMPLIES
☒ Electromagnetic Compatilbility (EMC), according to Article 3(1)(b).	COMPLIES
☒ Radio Spectrum Use, according to Article 3(2).	COMPLIES
☐ Special Radio Features, according to Article 3(3)(a)-(i).	N/A

APPLICATIONS/LIMITATIONS

Nil.

MARKING OF PRODUCT

The Manufacturer and Type Designation shall be applied to the product in a visible location.
The equipment shall carry the CE marking of the European Union.

TYPE EXAMINATION DOCUMENTATION

Test report(s)

- Safety Test Report by Nemko S.p.A. (id: 455992TRFSAF, dated 2022-01-13)
- Safety Test Report by Nemko S.p.A. (id: 455992-1TRFSAF, dated 2022-01-13)
- Environmental Test Report by Nemko S.p.A. (id: 422879-1TRFEnvEx, dated 2021-10-28)
- Health Test Report by Nemko S.p.A. (id: 422879-1TRFEMF, dated 2021-06-15)
- EMC Test Report by Nemko S.p.A. (id: 422879-1TRFEMC, dated 2021-06-23)
- EMC Test Report by Nemko S.p.A. (id: 422879-2TRFEMC, dated 2021-05-28)
- EMC Test Report by Nemko S.p.A. (id: 422879-3TRFEMC, dated 2021-05-31)
- EMC Test Report by Nemko S.p.A. (id: 422879-4TRFEMC, dated 2021-05-31)
- Radio Test Report by Nemko S.p.A. (id: 422879-1TRFWL, dated 2021-05-31)
- Radio Test Report by Nemko S.p.A. (id: 422879-2TRFWL, dated 2021-05-31)
- Radio Test Report by Nemko S.p.A. (id: 422879-3TRFWL, dated 2021-05-31)
- Radio Test Report by Nemko S.p.A. (id: 422879-4TRFWL, dated 2021-05-31)
- Radio Test Report by Nemko S.p.A. (id: 422879-5TRFWL, dated 2021-05-31)
- Radio Test Report by Nemko S.p.A. (id: 422879-6TRFWL, dated 2022-09-16)

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Additional documentation

- RED technical file by Aesys S.p.A. (id: IPG 20_048, Rev.3, dated 2022-09-26)
- Radio Test Report by Spotorn International Inc. (id: ER160718-12, dated 2017-05-05)
- EU Type Examination Certificate by ACB Inc. (id: ATCB021162, Issue 1, dated 2017-06-14)

ADDITIONAL INFORMATION

None.

<< End of certificate >>

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